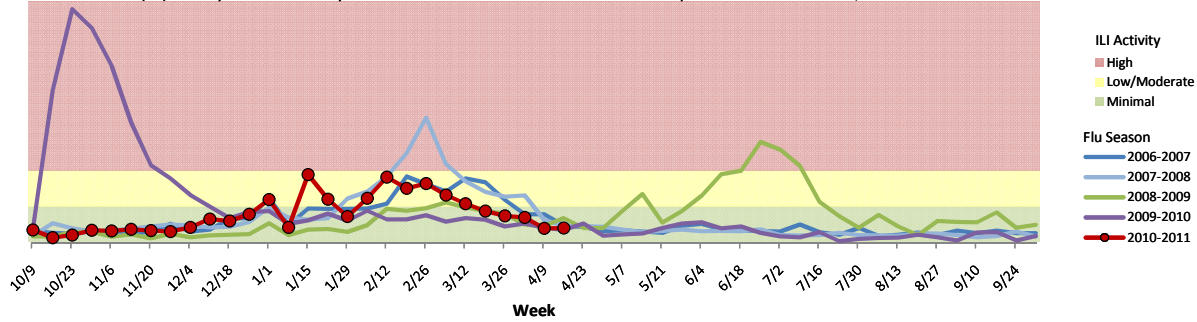


Influenza-like Illness Activity

Weekly Influenza-like Illness Activity

Influenza-like illness (ILI) activity as measured by the number of standard deviations from the epidemic threshold- Utah, 2010-2011



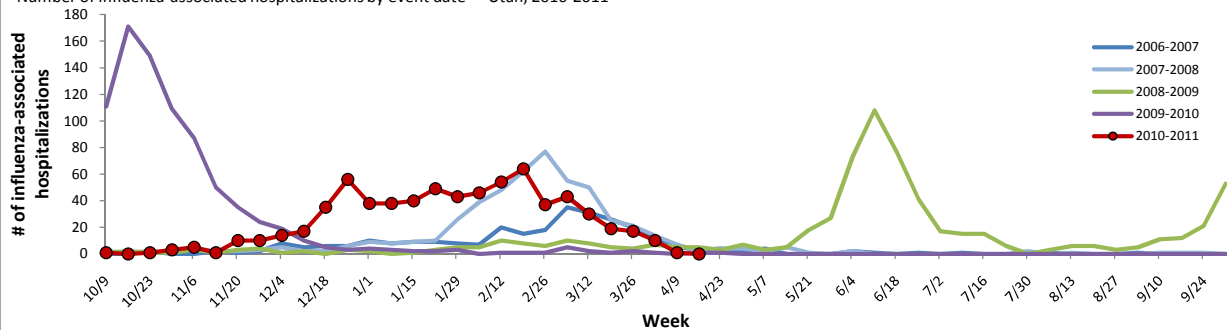
Influenza-like Illness (ILI) Activity Levels by Health District - Utah

Health District	ILI Activity
Bear River	Low/Moderate
Central	No Data
Davis	Minimal
Salt Lake	Minimal
Southwest	Minimal
Summit	Minimal
Tooele	Minimal
TriCounty	Minimal
Utah	Minimal
Wasatch	No Data
Weber-Morgan	Minimal
State	Minimal

Severity Measures

Influenza-associated Hospitalizations

Number of influenza-associated hospitalizations by event date* - Utah, 2010-2011



*Event date is calculated based on a hierarchy of dates: 1. onset date 2. specimen collection date 3. date reported to public health.

Summary Data for Influenza-associated Hospitalizations, 2010-2011 Season to Date

Variable		Number of cases	% of IAH cases	% in Utah pop	p value*
Sex	Male	345	50.6%	50.3%	0.8821
	Female	337	49.4%	49.7%	0.8821
	Unknown	0	0.0%	NA	--
Race	White, Not Hispanic	523	76.7%	82.0%	0.0003
	Hispanic	106	15.5%	11.6%	0.0013
	Native Hawaiian/Pacific Islander	24	3.5%	0.7%	<0.0001
	Black/African American	16	2.3%	0.9%	0.0001
	American Indian	6	0.9%	1.1%	0.5332
	Asian	7	1.0%	1.9%	0.1042
	Unknown	0	0.0%	NA	--

*If a p value is ≤ 0.05 , there is a significant difference between the percentage seen in IAH and the general Utah population.

Severity Measures, cont.

Cases of Influenza-associated Hospitalizations by Age Group, Utah, 2010-2011

Age Group	Total Cases Season to Date	Percent of Cases	Cases/ 100,000 Population	New Cases in Past Week
0-4 years	181	26.5%	66.9	0
5-24 years	105	15.4%	11.1	0
25-49 years	131	19.2%	13.2	0
50-64 years	91	13.3%	22.7	0
65+ years	174	25.5%	70.4	0
Total	682	100%	23.9	0

Influenza-associated Hospitalizations by Health District, 2010-2011 Season to Date

Health District	Total Hospitalizations
Bear River	26
Central	22
Davis	54
Salt Lake	362
Southeastern	3
Southwest	36
Summit	8
Tooele	4
TriCounty	8
Utah	72
Wasatch	1
Weber-Morgan	86

Summary Data for Influenza-associated Hospitalizations, 2010-2011 Season to Date

Variable	Yes		No		Unknown	
	Number of Cases	% of cases	Number of Cases	% of cases	Number of Cases	% of cases
ICU	99	14.5%	519	76.1%	64	9.4%
Ventilator	45	6.6%	570	83.6%	67	9.8%
Died	27	4.0%	601	88.1%	54	7.9%
Neurological Symptoms	90	13.2%	517	75.8%	75	11.0%
Healthcare Worker	7	1.0%	537	78.7%	138	20.2%
Pregnant	29	4.3%	636	93.3%	17	2.5%
Heart Disorder	126	18.5%	482	70.7%	74	10.9%
Blood Disorder	18	2.6%	587	86.1%	77	11.3%
Kidney Disorder	54	7.9%	554	81.2%	74	10.9%
Metabolic Disorder	110	16.1%	493	72.3%	79	11.6%
Chronic Respiratory Disorder	189	27.7%	419	61.4%	74	10.9%
Immunosuppressed	78	11.4%	527	77.3%	77	11.3%
Neurological Disorder	90	13.2%	517	75.8%	75	11.0%
Seizure Disorder	31	4.5%	575	84.3%	76	11.1%
Bacterial Co-infection	15	2.2%	587	86.1%	80	11.7%
Obese**	125	31.6%	194	49.0%	77	19.4%
Morbidly Obese**	40	10.1%	279	70.5%	77	19.4%
Risk Factor***	621	91.1%	61	8.9%	0	0.0%
Vaccinated	199	29.2%	329	48.2%	154	22.6%

**Obesity and morbid obesity is not considered for individuals under 18 years or pregnant women. Thus total counts will not equal the total number of influenza-associated hospitalizations

***Risk factors for influenza include: persons < 5 years, persons ≥ 65 years, pregnant women, and persons with a chronic medical condition.

Case Counts of Influenza-associated Hospitalizations, Utah, 2010-2011

Case Status	Current Week	Current Week % of Cases	Season Total	Season % of Cases
Confirmed*	0	#DIV/0!	623	91.3%
Probable**	0	#DIV/0!	59	8.7%
Total	0	#DIV/0!	682	100.0%

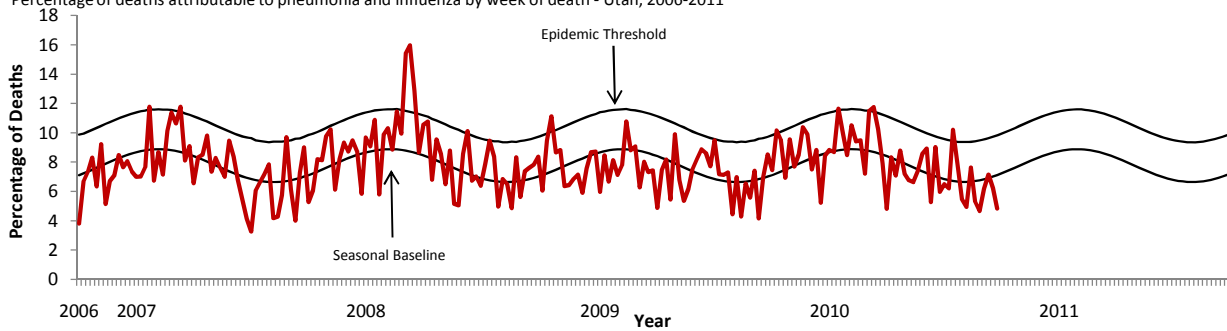
*Confirmed= hospitalized with serology, DFA, PCR, or culture positive influenza test

**Probable= hospitalized with a positive rapid test

Pneumonia and Influenza Deaths

Pneumonia and Influenza Deaths

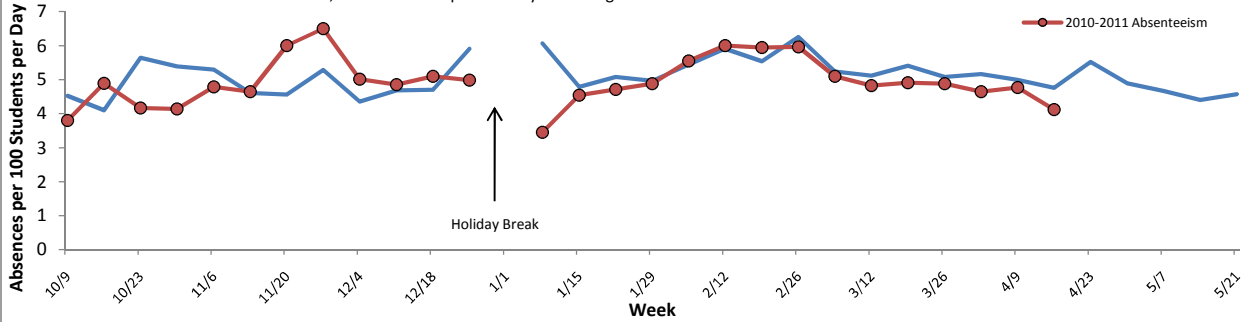
Percentage of deaths attributable to pneumonia and influenza by week of death - Utah, 2006-2011



School Absenteeism

Student Absenteeism by Week

Rates for absences due to all causes - Utah, 2010-2011 and previous 3 year average



Weekly Student Absenteeism - Utah, 2010-2011

Health District	All absences per 100 students/day
Bear River	3.2
Central	4.4
Davis	3.7
Salt Lake	3.7
Southeast	5.4
Southwest	--
Summit	--
Tooele	6.1
TriCounty	2.0
Utah	2.2
Wasatch	0.2
Weber-Morgan	6.0
State	4.2

Virologic Data

Unified State Laboratory: Public Health Virologic Data

	Season to-date		Current MMWR week	
	Number	Percent	Number	Percent
Specimens tested	2,014	--	19	--
Positive specimens	1277	63.4%	9	47.4%
Positive Specimens by Type/Subtype				
Influenza A	1091	85.4%	5	55.6%
A (2009 H1N1)	276	25.3%	3	60.0%
A (H1)	0	0.0%	0	0.0%
A (H3)	807	74.0%	2	40.0%
A (subtyping not performed)	0	0.0%	0	0.0%
A (unable to subtype)	1	0.1%	0	0.0%
Influenza B	193	15.1%	4	44.4%

Influenza Positive Tests

Influenza positive specimens tested by Unified State Laboratory: Public Health (USLPH) - Utah, 2010-2011

